PATENT PENDING

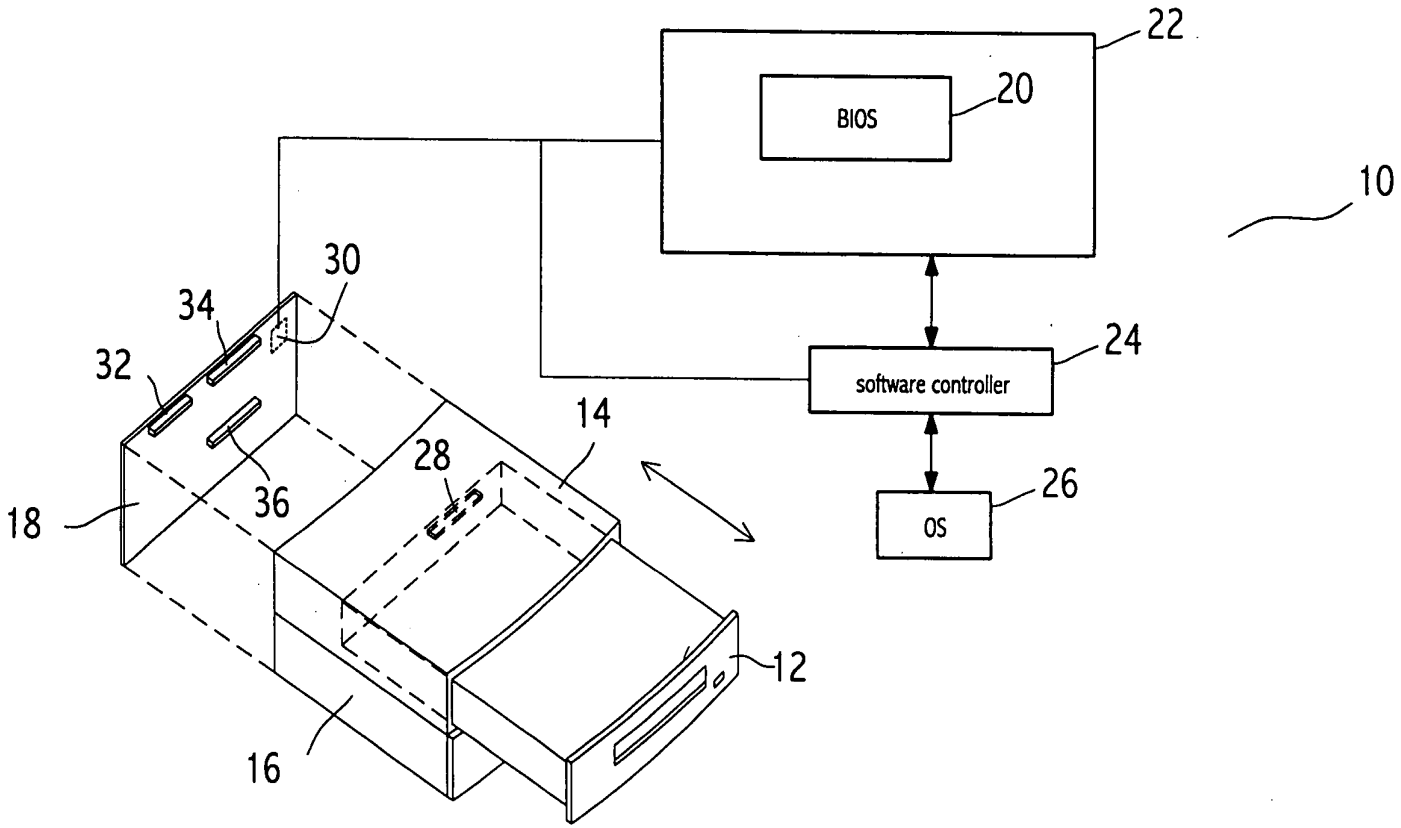

FIG. 1

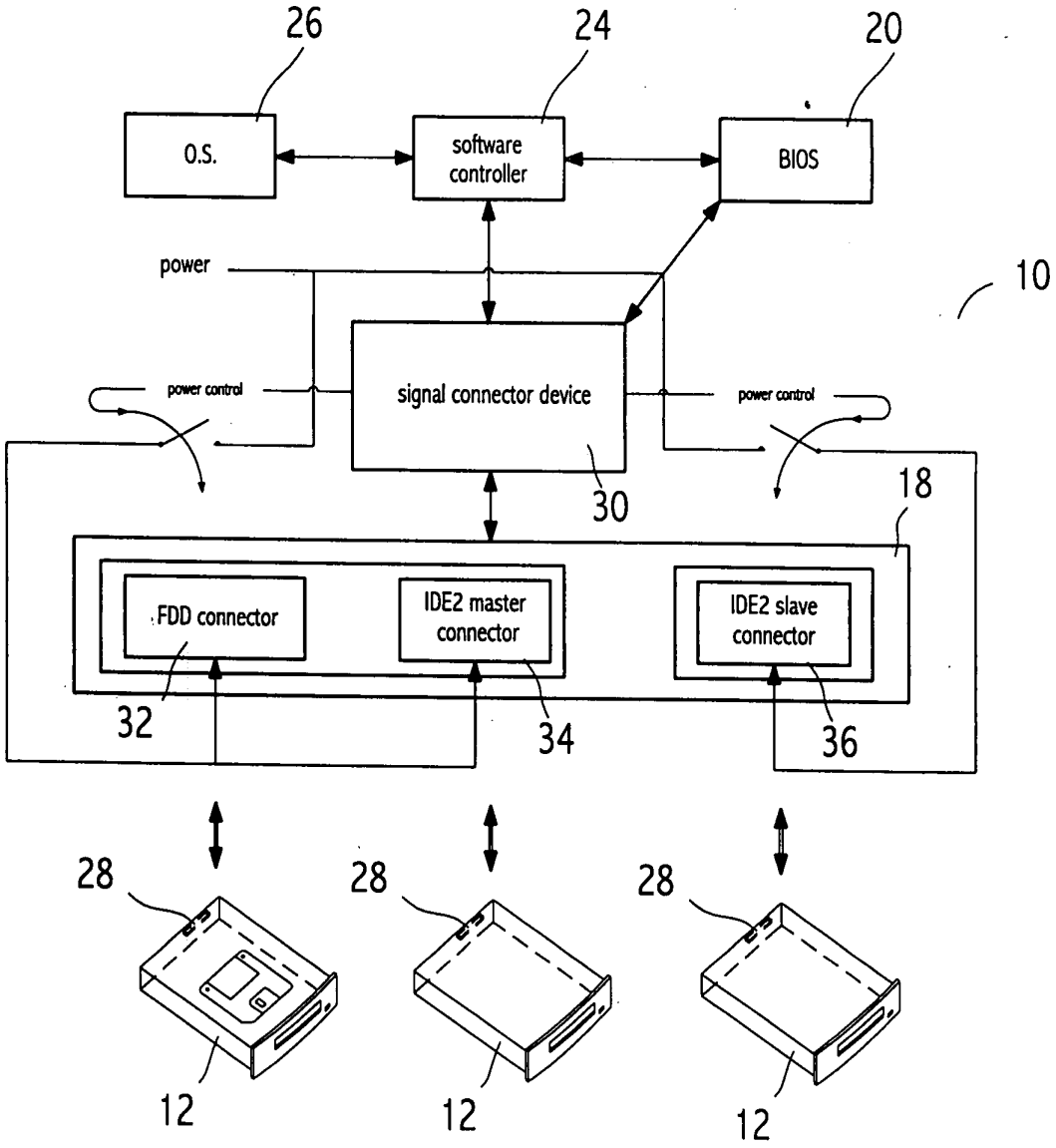
26
24
20
O.S.
software controller
BIOS
power
10
power control
signal connector device
power control
30
18
FDD connector
IDE2 master connector
IDE2 slave connector
32
34
36
28
28
28
12
12
12

FIG .2

PATENT PENDING

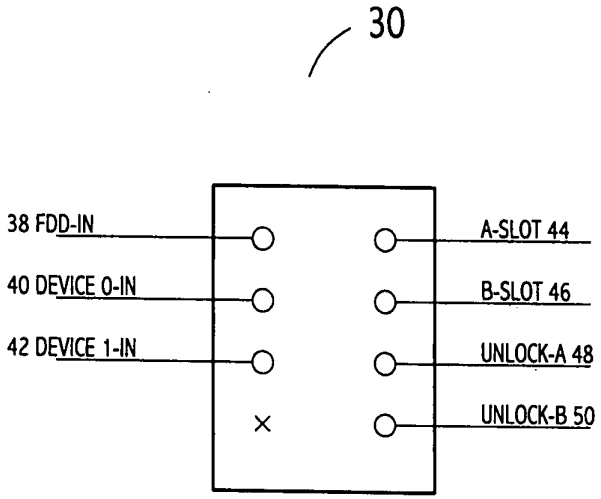

FIG . 3a

truth table	default	start
FDD-IN	H	L
DEVIVE 0-IN	H	L
DEVICE 1-IN	H	L
A-SLOT	L	H
B-SLOT	L	H
UNLOCK-A	L	H
UNLOCK-B	L	H

FIG . 3b

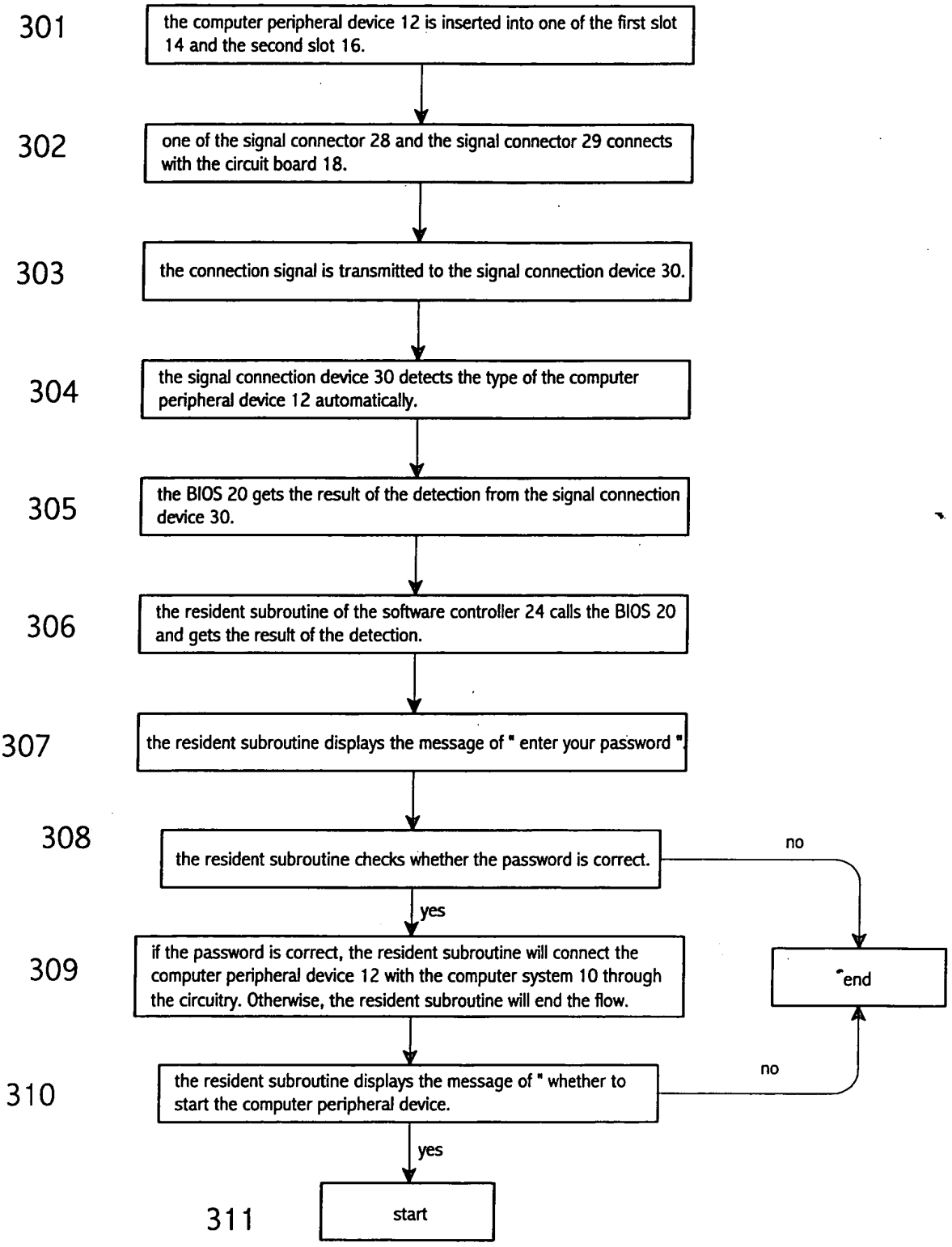
301
the computer peripheral device 12 is inserted into one of the first slot 14 and the second slot 16.
302
one of the signal connector 28 and the signal connector 29 connects with the circuit board 18.
303
the connection signal is transmitted to the signal connection device 30.
304
the signal connection device 30 detects the type of the computer peripheral device 12 automatically.
305
the BIOS 20 gets the result of the detection from the signal connection device 30.
306
the resident subroutine of the software controller 24 calls the BIOS 20 and gets the result of the detection.
307
the resident subroutine displays the message of " enter your password "
308
the resident subroutine checks whether the password is correct.
no
yes
309
if the password is correct, the resident subroutine will connect the computer peripheral device 12 with the computer system 10 through the circuitry. Otherwise, the resident subroutine will end the flow.
end
310
the resident subroutine displays the message of " whether to start the computer peripheral device.
no
yes
311
start

FIG . 4a

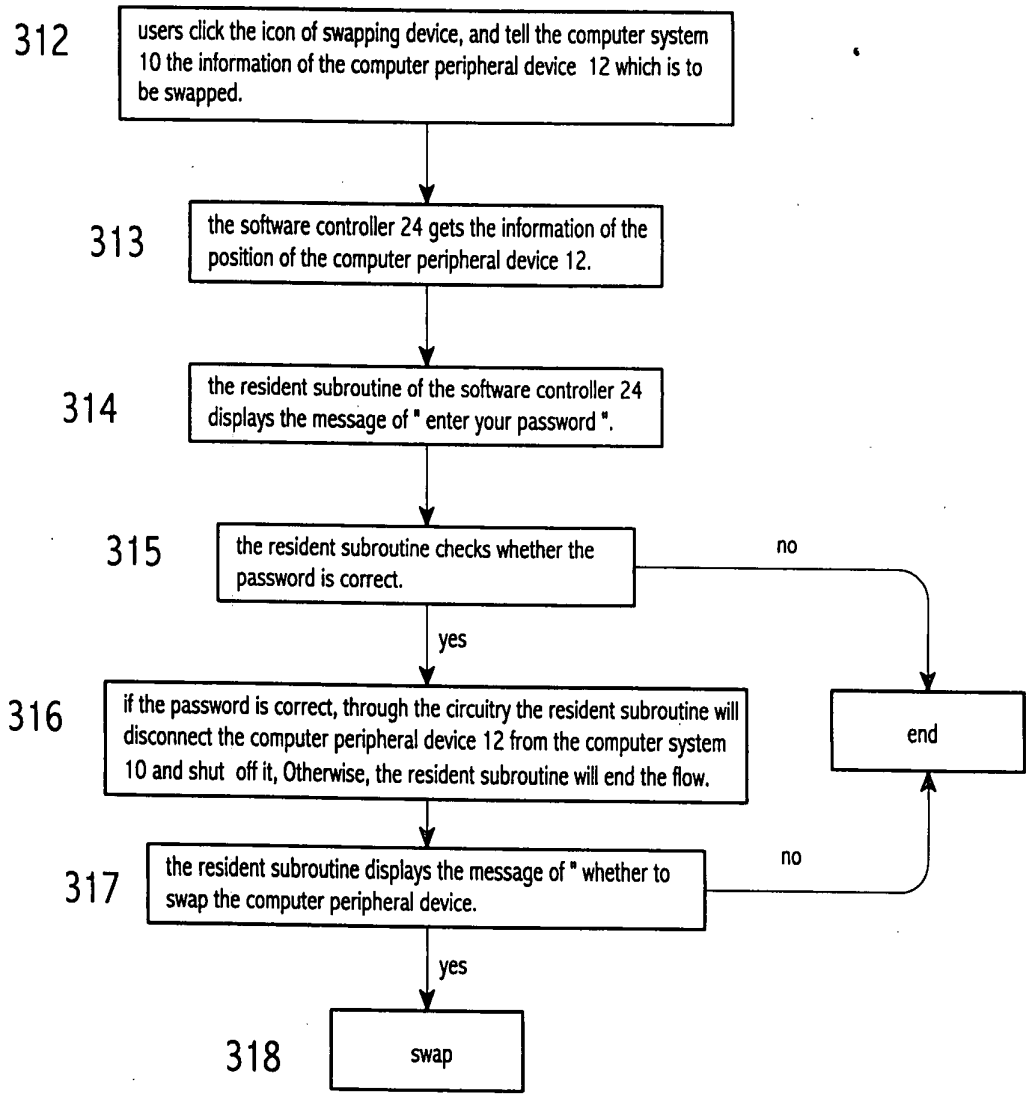
312
users click the icon of swapping device, and tell the computer system 10 the information of the computer peripheral device 12 which is to be swapped.
313
the software controller 24 gets the information of the position of the computer peripheral device 12.
314
the resident subroutine of the software controller 24 displays the message of " enter your password ".
315
the resident subroutine checks whether the password is correct.
no
yes
316
if the password is correct, through the circuitry the resident subroutine will disconnect the computer peripheral device 12 from the computer system 10 and shut off it, Otherwise, the resident subroutine will end the flow.
end
317
the resident subroutine displays the message of " whether to swap the computer peripheral device.
no
yes
318
swap

FIG . 4b